

ABSTRACT

The present invention is concerned with an axial-flow or mixed-flow inducer (3) which is disposed upstream of a main impeller (2) for improving the suction capability of a pump such as a turbopump. In the inducer (3), a blade angle (β_{bt}) from a tip (T_1) to a hub
5 (H_1) at a blade leading edge (31) is substantially the same as an inlet flow angle ($\beta_{1,i}$) at a designed flow rate.